



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.maimidade.gov/buildingcode

Nebula Glass International dba Glasslam
1601 Blount Road
Pompano Beach FL 33069

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Supreme 003" Aluminum Storefront System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **08-102**, titled "Supreme Window System 003 Aluminum Fixed Window", sheets 1 through 5 of 5, dated 05/01/08, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA **revises and renews** NOA # **05-0620.02** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 08-0604.03
Expiration Date: November 20, 2013
Approval Date: October 30, 2008
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. Test reports on: 1) Large Missile Impact Test per, 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1801**, dated 03/30/03, revised on 08/25/03, signed and sealed by Rafael E. Droz-Seda, P.E. (*Submitted under NOA # 03-0923.06*)
7. Tensile Test as per, ASTM-E8, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-02-T089**, dated 10/31/02, signed and sealed by Rafael E. Droz-Seda, P.E. (*Submitted under NOA # 03-0923.06*)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004 and 2007, dated 05/01/08, prepared, signed and sealed by Pedro De Figueiredo, P.E.
Complies with ASTM E1300-98/02

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

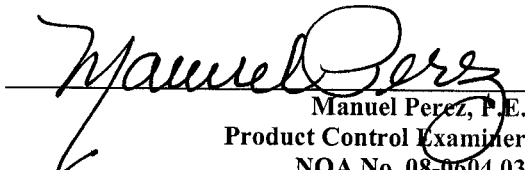
1. Notice of Acceptance No. **08-0709.04** issued to Glasslam N.G.I., Inc. for their “**Safety-Plus II Laminated Glass**” dated 09/11/08, expiring on 08/07/13.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated May 28, 2008, signed and sealed by Pedro De Figueiredo, P.E.

G. OTHER

1. Notice of Acceptance No. **05-0620.02**, issued to Glasslam N.G.I., Inc. for their Series “Supreme 003” Aluminum Storefront System – L.M.I., approved on 09/29/05 and expiring on 11/20/08.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0604.03
Expiration Date: November 20, 2013
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A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **08-102**, Sheets 1 through 5 of 5, titled "Supreme Window System 003 – Aluminum Fixed Window", dated 05/01/08, prepared by EngCo Inc., signed and sealed by Pedro De Figueiredo, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-07-4209**, dated 10/22/07, signed and sealed by Candido F. Font, P.E.
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-07-2140**, dated 10/22/07, signed and sealed by Candido F. Font, P.E.
3. Test reports on: 1) Air Infiltration Test, per TAS 202-94
2) Uniform Static Air Pressure Test, Loading per TAS 202-94
3) Water Resistance Test, per TAS 202-94
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-02-1250**, dated 09/09/02, revised on 08/25/03, signed and sealed by Rafael E. Droz-Seda, P.E. (*Submitted under NOA # 03-0923.06*)
4. Test reports on: 1) Large Missile Impact Test per, 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-02-1722**, dated 09/10/02, revised on 08/25/03, signed and sealed by Rafael E. Droz-Seda, P.E. (*Submitted under NOA # 03-0923.06*)
5. Test reports on: 1) Uniform Static Air Pressure Test, Loading per TAS 202-94
along with marked-up drawings and installation diagram of a fixed impact resistant store front window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1800**, dated 03/31/03, revised on 08/25/03, signed and sealed by Rafael E. Droz-Seda, P.E. (*Submitted under NOA # 03-0923.06*)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0004.03

Expiration Date: November 20, 2013

Approval Date: October 30, 2008

INDEX:

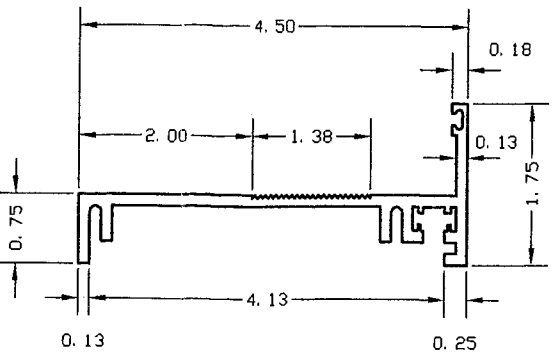
- SHEET 1 of 5 - GENERAL NOTES AND FRAMING COMPONENTS
- SHEET 2 of 5 - TYPICAL ELEVATIONS, FRAMING DESIGN RATING
- SHEET 3 of 5 - SECTION DETAILS, CORNER ASSEMBLY
- SHEET 4 of 5 - FRAMING ANCHORAGE
- SHEET 5 of 5 - GLAZING SPECIFICATIONS AND RATING, SPLIT MULLION ASSEMBLY AND FRAME CORNER ASSEMBLY

GENERAL NOTES:

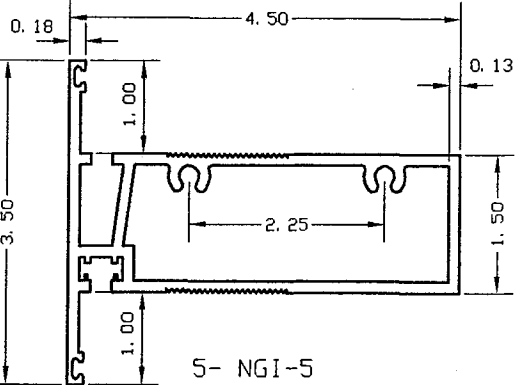
- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007 INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM FIXED TYPE WINDOW DESIGNED, CONSTRUCTED AND TESTED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE MISSILE) WITHIN THE ALLOWABLE DESIGNED PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.
- 3- POSTING:

"GLASSLAM NGI INC.
POMPANO BEACH - FLORIDA
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED"
- 4- DESIGN LOADS: THE DESIGNED LOADS MUST BE CALCULATED BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT. THE CALCULATED DESIGNED PRESSURE MUST NOT EXCEED THE ALLOWABLE WINDOW PRESSURE.
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 ALLOY AND GLAZING TO BE LAMINATED GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THE CURRENT SET OF DRAWINGS. INSTALLATION AND LOADS AS PER THIS APPROVAL. ANCHOR QUANTITY & SPACING MUST NOT EXCEED THE MAXIMUM LIMITS SPECIFIED BY THIS APPROVAL.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
 - 7.1- THE STABILITY OF THE STRUCTURE WHERE THE PRODUCT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
 - 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
 - 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD SCREWS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.
- 9- DISSIMILAR MATERIALS: MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2007 FLORIDA BUILDING CODE.

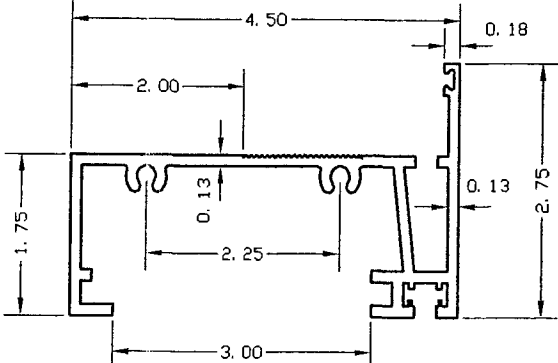
FRAMING COMPONENTS



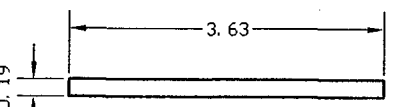
1- NGI-1
SPLIT MULLION
ALLOY: 6063-T6



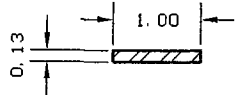
5- NGI-5
INTERMEDIATE HORIZONTAL
ALLOY: 6063-T6



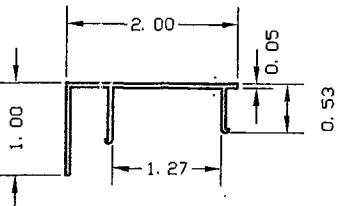
2- NGI-2
PERIMETER FRAMING
ALLOY: 6063-T6



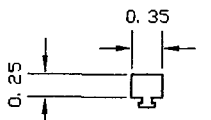
6- NGI-6
FILLER PLATE
ALLOY: 6063-T6



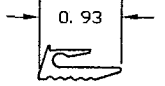
7- NGI-7
SPLIT MULLION TIE PLATE
ASTM A36 STEEL



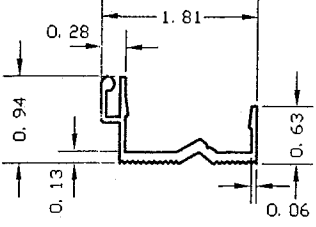
3- NGI-3
SCREW COVER
ALLOY: 6063-T6



8- NGI-8
REED RUBBER PART #8090



9- NGI-9
REED RUBBER PART #4020



4- NGI-4
MECHANICAL HOLD
ALLOY: 6063-T6

MANUFACTURER:
GLASSLAM
N.G.I., Inc.
1601 BLOUNT ROAD
POMPANO BEACH - FL
TEL: (954) 975-3233
FAX: (954) 975 3225

PRODUCT:
SUPREME WINDOW
SYSTEM 003
ALUMINUM FIXED WINDOW

Engineering:
EngCo Inc.
CA 8116
6971 W. Sunrise Blvd. 104
Plantation, FL 33313
ENGCO@AOL.COM

OCT 01 2008
Engineer Seal
Pedro De Figueiredo
PE 52609

DRAFTING:
PK DRAFTING & MORE

MIAMI-DADE BCCO:

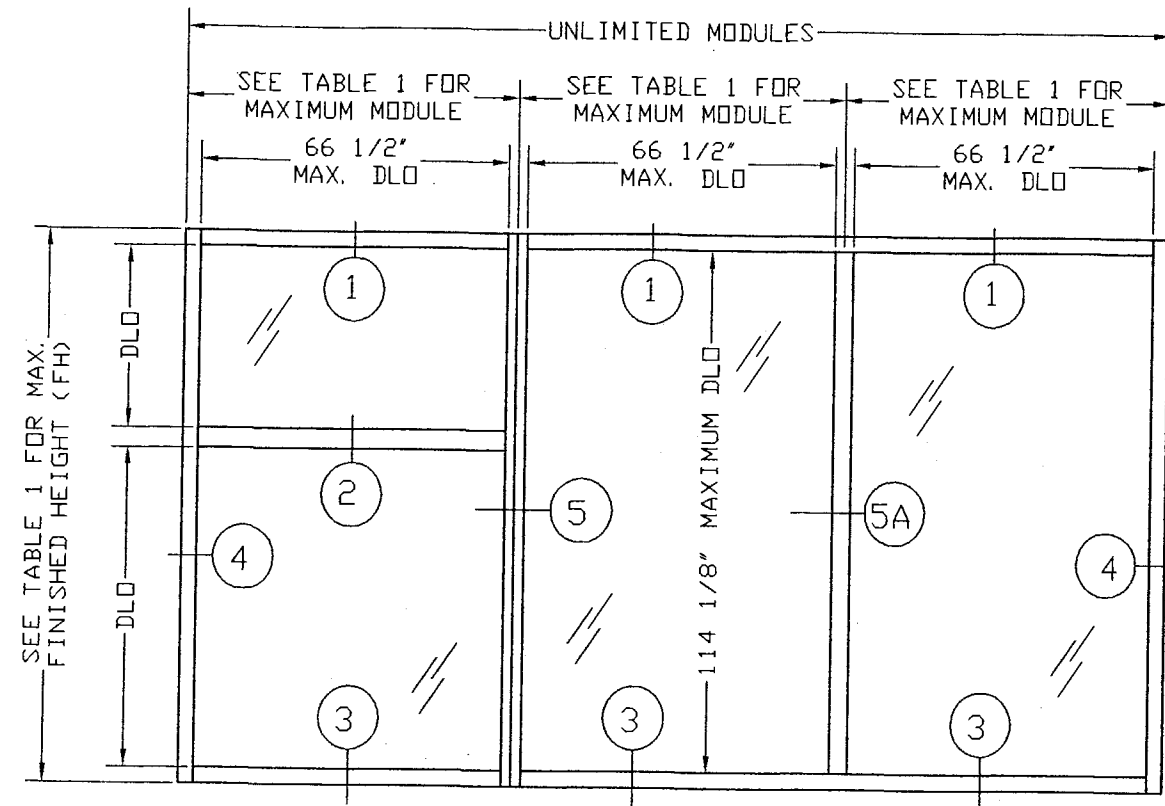
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-0604.03
Expiration Date Nov. 20, 2013
By
Miami Dade Product Control
Division

Date: 05/01/08
Scale: NA
Design by: PPMF

Drawing Number
08-102

SHEET
1 of 5

TYPICAL ELEVATIONS AND DESIGN RATING

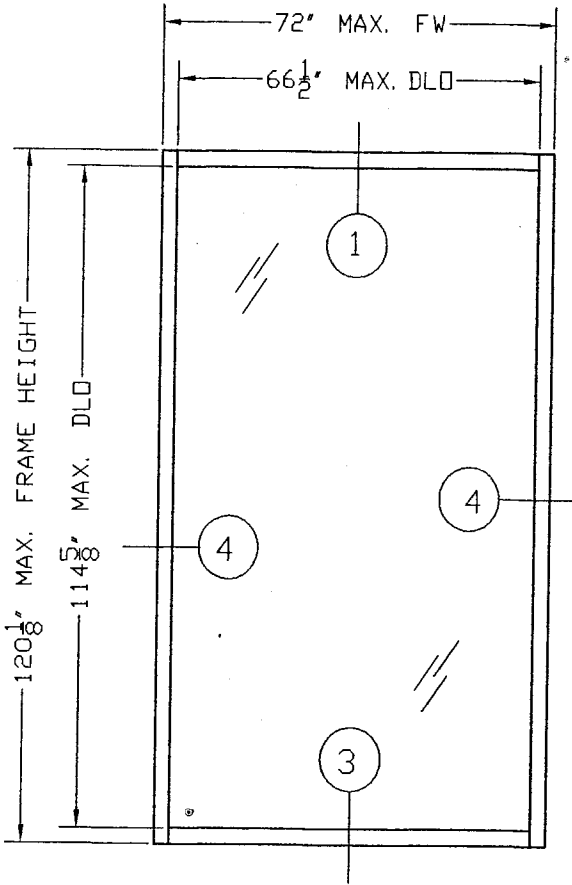


MULTIPLE MODULES

TABLE 1 - MULTIPLES MODULES
FRAMING MAX. DESIGNED RATE

MODULE	FH	Pd (PSF)
48.0	96	±100
60.3		±100
66.0		± 94
72.0		± 90
48.0	108	± 84
60.3		± 68
66.0		± 63
72.0		± 60
48.0	120 1/8	± 58
60.3		± 48
66.0		± 45
72.0		± 42

NOTE:
SEE SHEET 5 FOR MAXIMUM GLAZING
RATE. USE THE MINIMUM VALUE OF
TABLE 1 AND GLAZING RATE



SINGLE MODULE
MAX. DESIGNED RATE: Pd= ±100 PSF

SEE SHEET 5 FOR MAXIMUM GLAZING RATE. USE THE
MINIMUM VALUE OF GLAZING RATE AND 100 PSF

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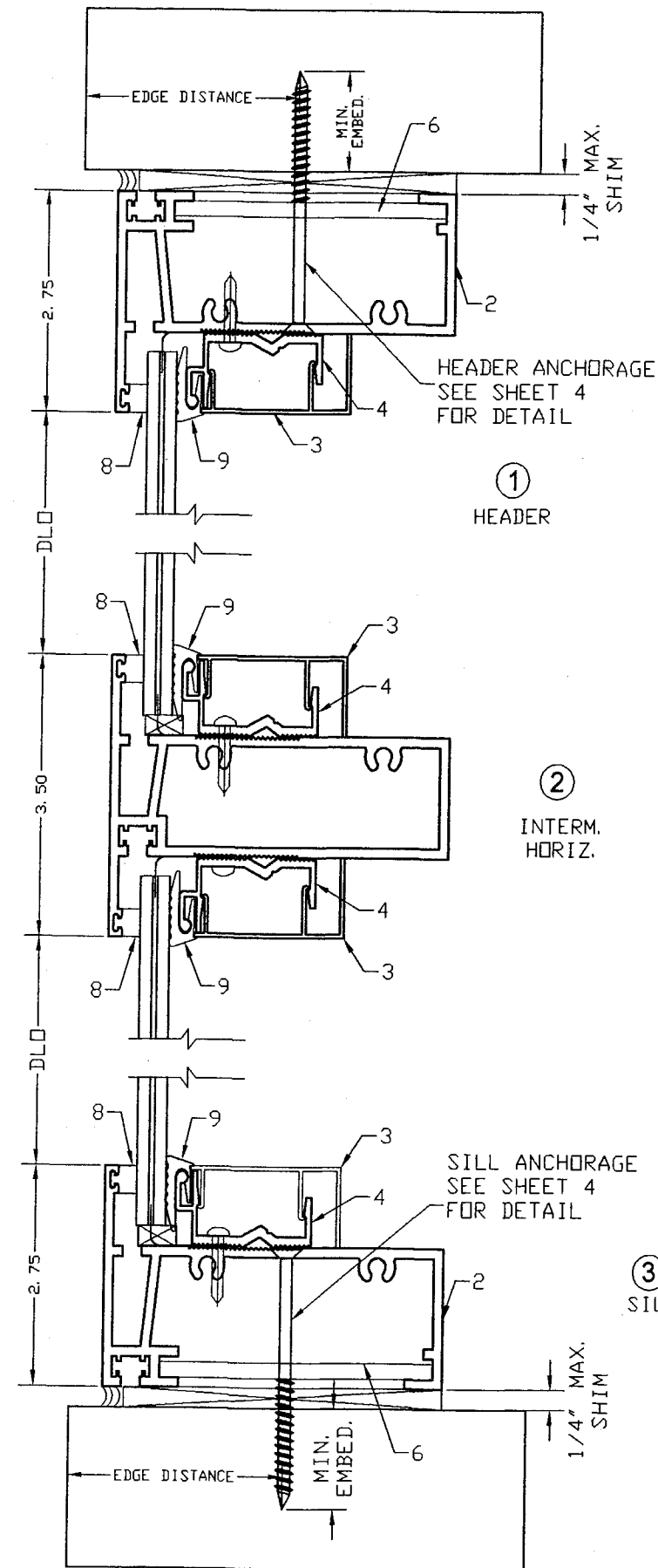
MIAMI-DADE BCCO:

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Acceptance No. **08-0604-03**
Expiration Date **NOV. 20. 2013**
By *M. Manuel Perez*
Miami Dade Product Control
Division

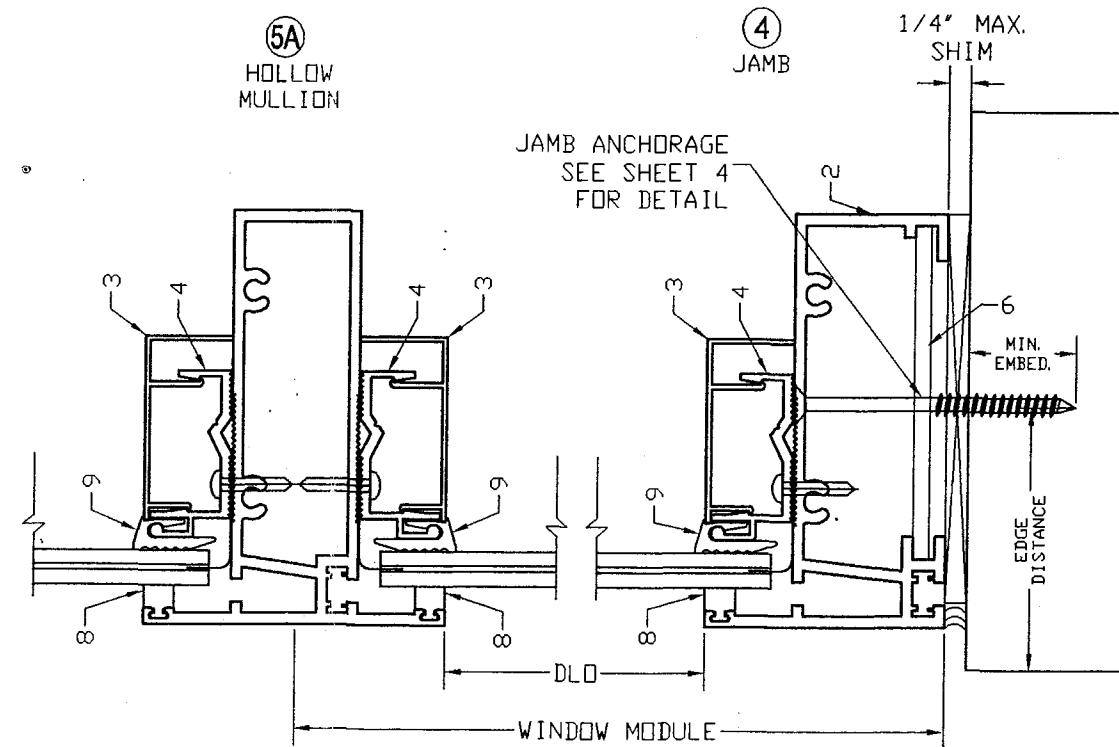
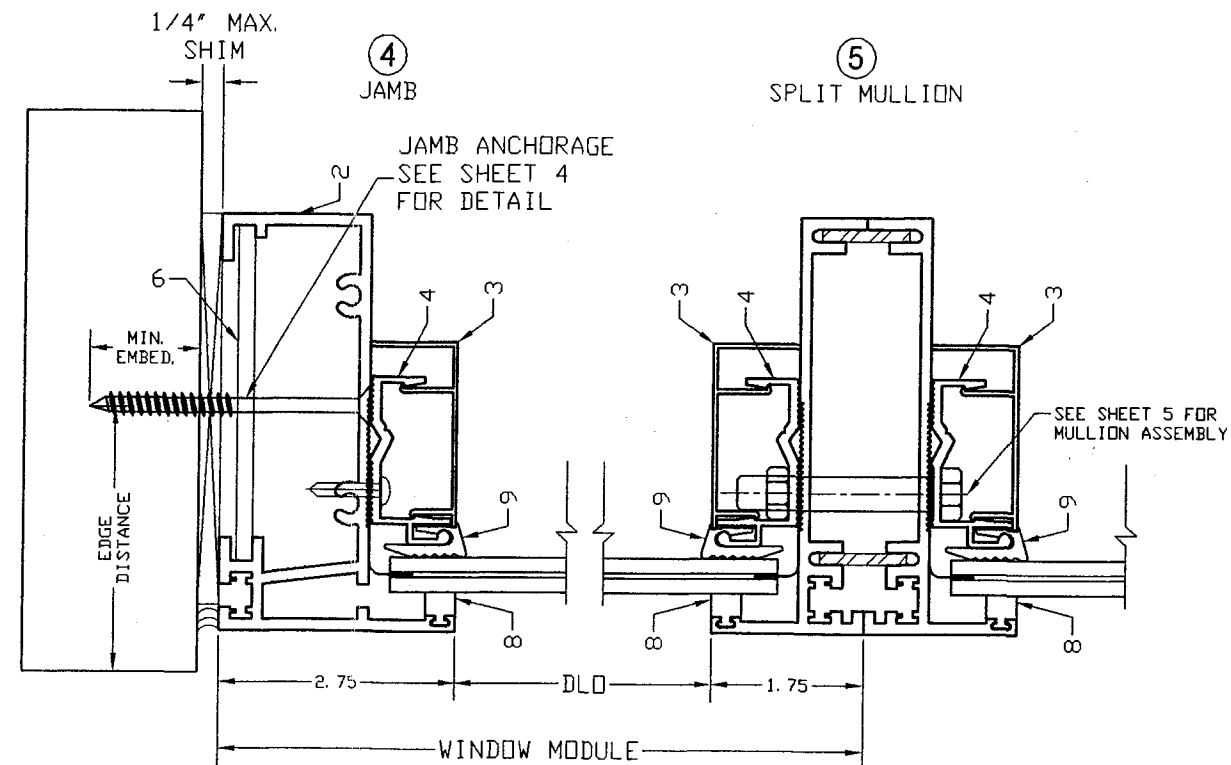
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Scale: NA
Design by: PPMF

Drawing Number
08-102

SHEET
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TYPICAL SECTIONS



MANUFACTURER:
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N.G.I., Inc.

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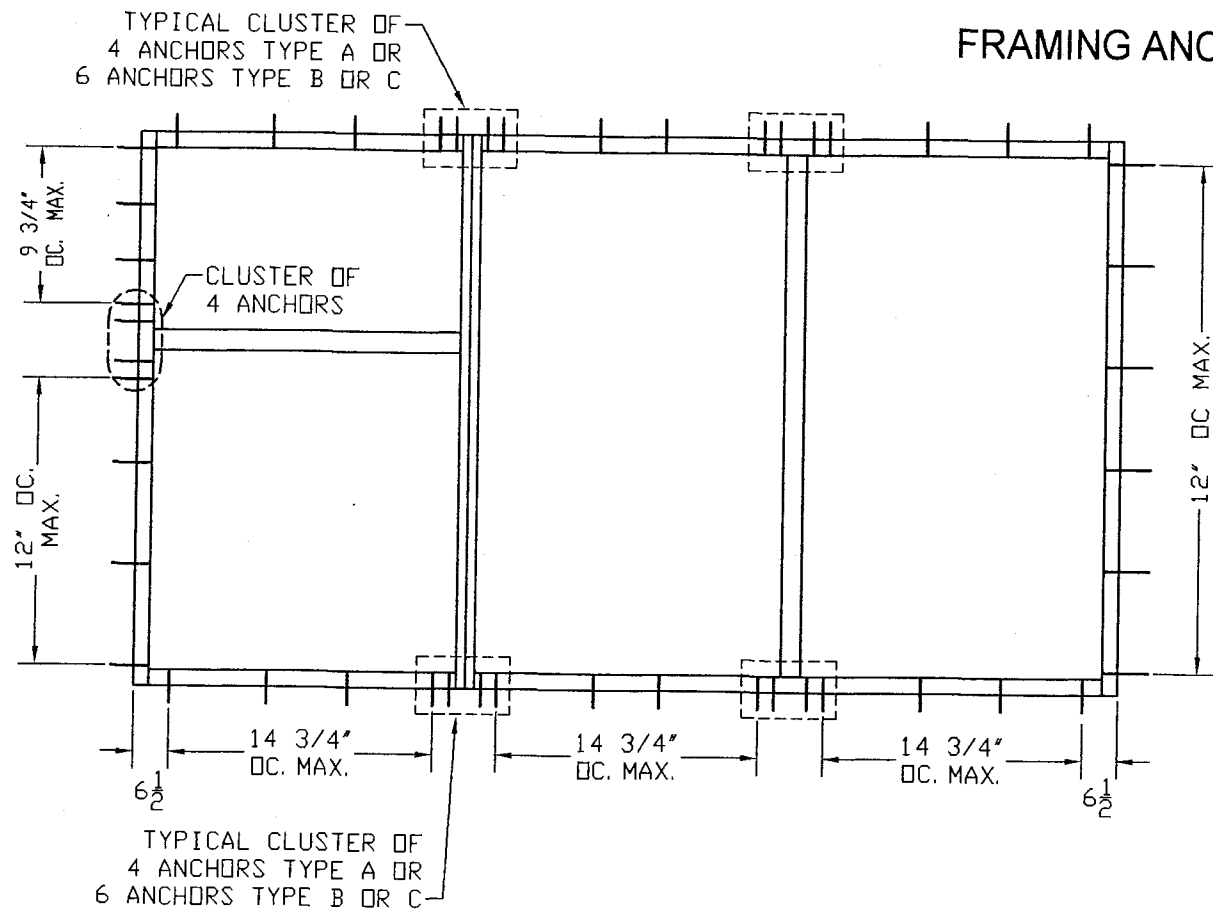
PRODUCT REVISED
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Building Code
Acceptance No. 08-0604-03
Expiration Date NOV. 26, 2013
By *Manuel Perez*
Miami Dade Product Control
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Date: 05/01/08
Scale: NA
Design by: PPMF

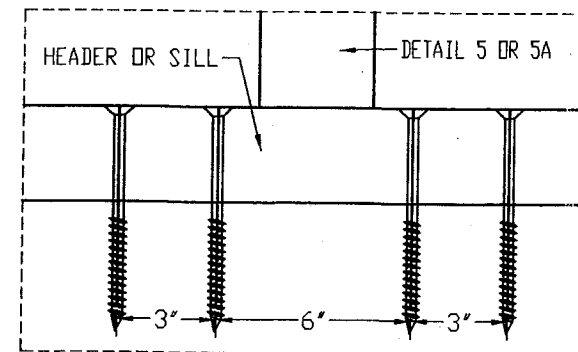
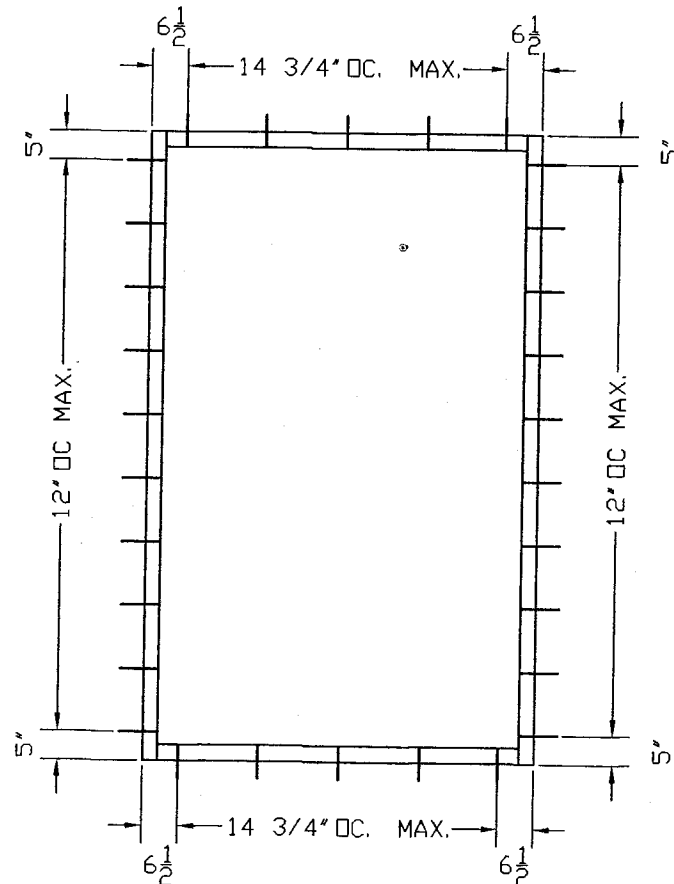
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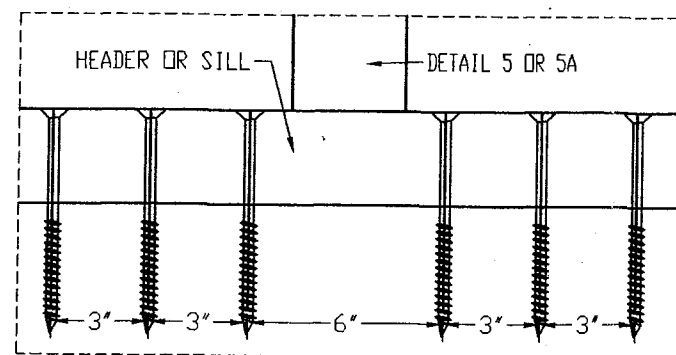
FRAMING ANCHORAGE LAY-OUT



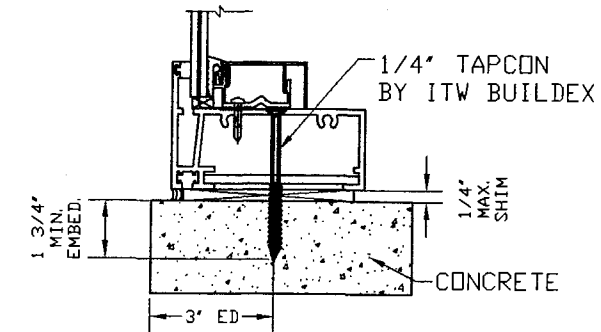
CLUSTER OF ANCHORS AT MULLION LOCATION



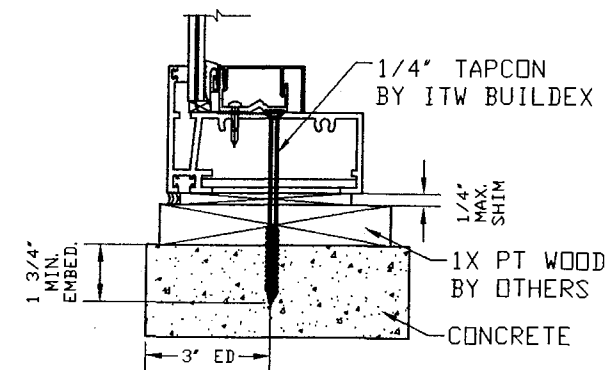
TYPE A ANCHORS
CLUSTER OF 4 ANCHORS



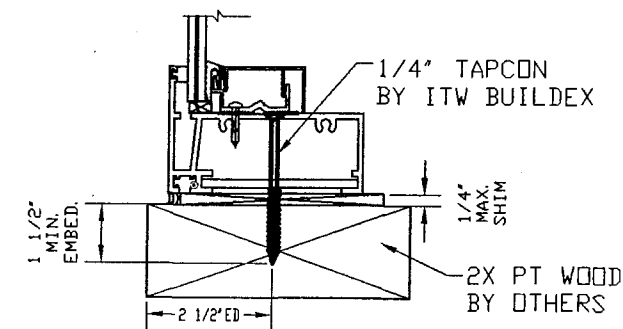
TYPE B OR C ANCHORS
CLUSTER OF 6 ANCHORS



TYPE A ANCHORAGE



TYPE B ANCHORAGE



TYPE C ANCHORAGE

TYPICAL ANCHOR:
A- 1/4" TAPCONS W/ MIN. 1 3/4" EMBEDMENT INTO 3000 PSI CONCRETE WITH 3" EDGE DISTANCE
B- 1/4" TAPCONS W/ MIN. 1 3/4" EMBEDMENT INTO 3000 PSI CONCRETE WITH 3" EDGE DISTANCE WITH FRAMING OVER 1X PT WOOD BUCK.
C- 1/4" TAPCONS W/ MIN. 1 1/2" EMBEDMENT INTO 2X PT WOOD BUCK (SG>= .55) WITH 2 1/2" EDGE DISTANCE.

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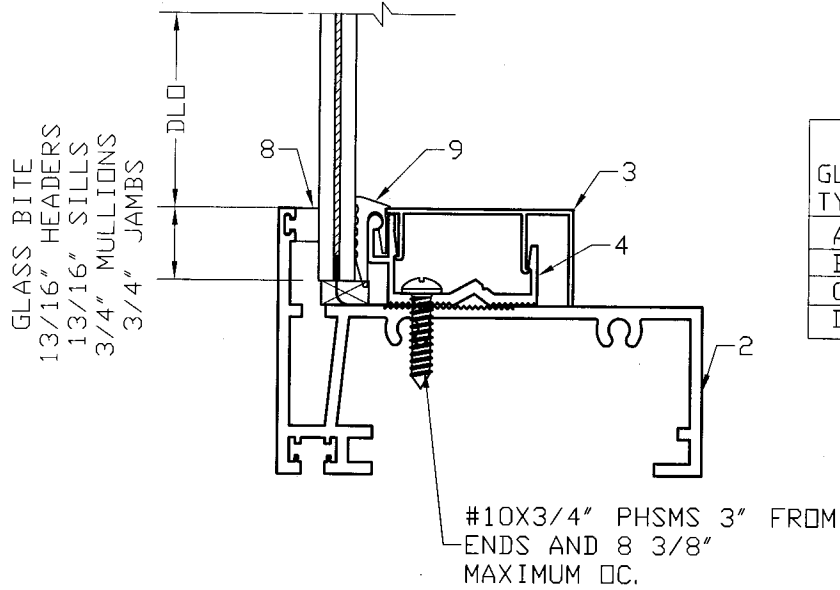
By *Manuel Perez*
Miami Dade Product Control
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Date: 05/01/08
Scale: NA
Design by: PPMF

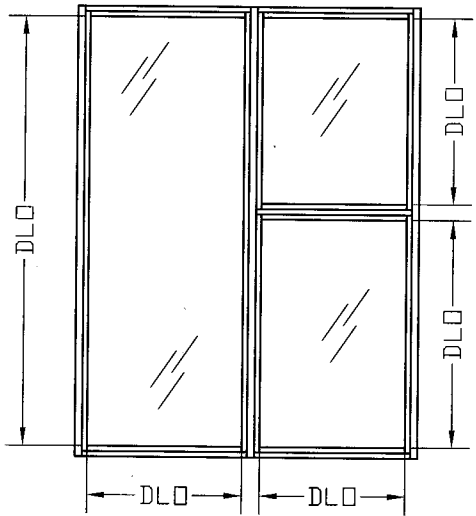
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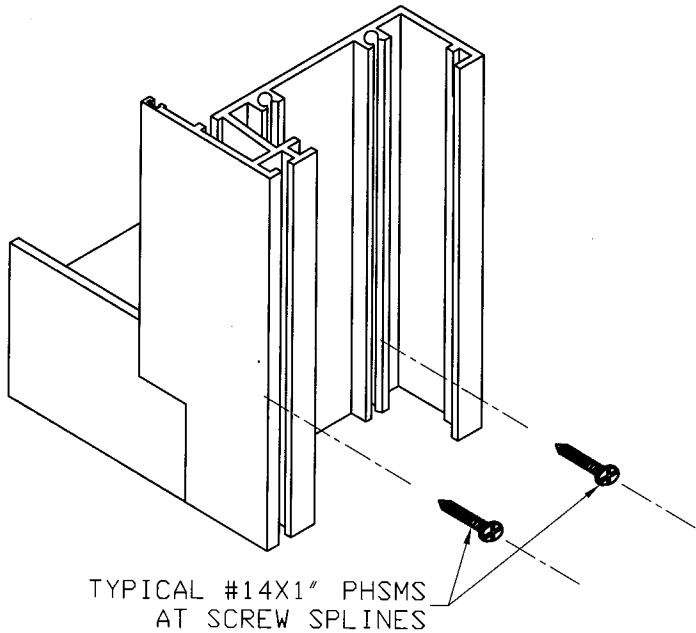
GLAZING SPECIFICATIONS



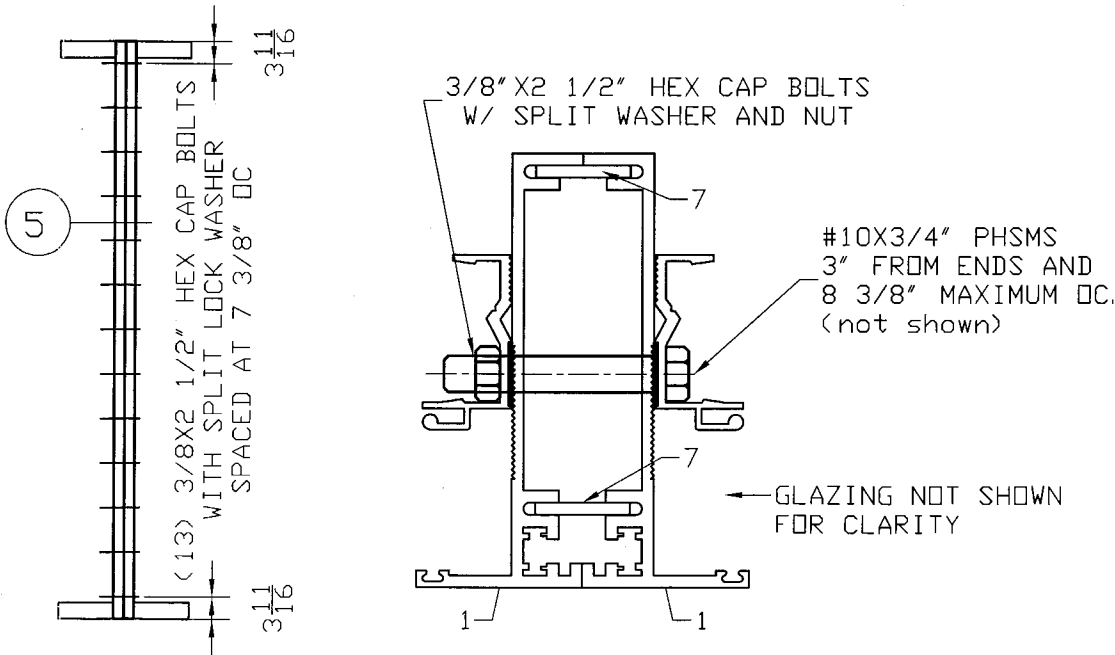
GLASS TYPE	OVERALL THICKNESS	EXTERIOR LAMINATE IMPACT GLASS LITE				IG LITE			MAXIMUM RATE PSF	MAX. AREA	DLO WIDTH	DLO HEIGHT
		INNER LITE	TYPE	INTERLAYER	OUTER LITE	AIR GAP	LITE	TYPE				
A	7/16"	3/16	TEMP	0.090" SAFETY PLUS II	3/16	NA	NA	NA	±100	21.8	56.500	55.500
B	11/16"	1/4	TEMP	0.152" SAFETY PLUS II	1/4	NA	NA	NA	±100	52.9	66.625	114.375
C	9/16"	1/4	TEMP	0.090" SAFETY PLUS II	1/4	NA	NA	NA	±100	35.5	56.500	90.500
D	1 1/4"	1/4	TEMP	0.090" SAFETY PLUS II	9/16	1/2	1/4	TEMP	±100	35.5	56.500	90.500



FRAME CORNER ASSEMBLY



SPLIT MULLION ASSEMBLY



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1601 BLOUNT ROAD
POMPANO BEACH - FL
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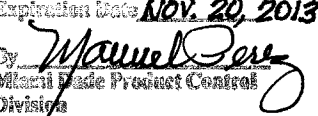
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Design by: PPMF

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SHEET
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